

CENTRAL PNEUMATIC®

BRAKE FLUID BLEEDER

Model 92924

ASSEMBLY AND OPERATING INSTRUCTIONS



3491 Mission Oaks Blvd., Camarillo, CA 93011
Visit our Web site at: <http://www.harborfreight.com>

**TO PREVENT SERIOUS INJURY,
READ AND UNDERSTAND ALL WARNINGS
AND INSTRUCTIONS BEFORE USE.**

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For technical questions, or replacement parts, please call 1-800-444-3353.

PRODUCT SPECIFICATIONS

Item	Description
Bleeder Assembly	Total Length: 9-1/2" Container Diameter: 5" Handle Size: 4" Long w/3" Long Grip Overall Height: 7-1/2"
Tube Size	8mm OD x 6mm ID x 40" Long
Inlet Size	1/4"-18 NPT
Operating PSI	90-120 PSI
Container Capacity	24 Ounce New Fluid Supply Bottle 34 Ounce Old Fluid Container
Adapter Sizes	1.25"-1.60" / 1.10"-1.45" / 0.95"-1.25" / 0.80"-1.20" (32mm-41mm / 28mm-37mm / 24mm-32mm / 21mm-30mm)
Unit Weight	1.50 Pounds

UNPACKING

When unpacking, check to make sure all the parts listed in the **Parts List on page 10** are included. If any parts are missing or broken, please call Harbor Freight Tools at the number shown on the cover of this manual as soon as possible.

SAVE THIS MANUAL

You will need this manual for the safety warnings and precautions, assembly, operating, inspection, maintenance and cleaning procedures, parts list and assembly diagram. Keep your invoice with this manual. Write the invoice number on the inside of the front cover. Keep this manual and invoice in a safe and dry place for future reference.

GENERAL SAFETY RULES



WARNING!

READ AND UNDERSTAND ALL INSTRUCTIONS
Failure to follow all instructions listed below may
result in serious injury.
SAVE THESE INSTRUCTIONS

WORK AREA

1. **Keep bystanders, children, and visitors away while operating the Brake Bleeder/Vacuum Pump.** Distractions can cause you to lose control. Protect others in the work area from injury. Provide barriers or shields as needed.

PERSONAL SAFETY

1. **Stay alert. Watch what you are doing, and use common sense when operating the Brake Fluid Bleeder. Do not use the tool while tired or under the influence of drugs, alcohol, or medication.** A moment of inattention while operating the tool may result in serious personal injury.
2. **Dress properly. Do not wear loose clothing or jewelry. Contain long hair. Keep your hair, clothing, and jewelry away from moving parts.** Loose clothes, jewelry, or long hair can be caught in moving parts.
3. **Do not overreach. Keep proper footing and balance at all times.** Proper footing and balance enables better control of the power tool in unexpected situations.
4. **Use safety equipment.** Always wear ANSI approved safety impact goggles and respirator. Nonskid safety shoes, hard hat, or hearing protection must be used for appropriate conditions.

TOOL USE AND CARE

1. **Do not force the tool. Use the correct tool for your application.** The correct tool will do the job better and safer at the rate for which it is designed.
2. **Store idle tools out of reach of children and other untrained persons.** Tools are dangerous in the hands of untrained users.
3. **Maintain tools with care. Keep tools dry and clean.** Properly maintained tools are less likely to malfunction and are easier to control. Do not use a damaged tool. Tag damaged tools "Do not use" until repaired.
4. **Check for misalignment or binding of moving parts, breakage of parts, and any other condition that may affect the tool's operation. If damaged, have the tool serviced before using.** Many accidents are caused by poorly maintained tools.
5. **Use only accessories that are recommended by the manufacturer for your model.** Accessories that may be suitable for one tool may become hazardous when used on another tool.



SERVICE

1. **Tool service must be performed only by qualified repair personnel.** Service or maintenance performed by unqualified personnel could result in a risk of injury.

2. **When servicing a tool, use only identical replacement parts. Follow instructions in the “*Inspection, Maintenance, And Cleaning*” section of this manual.** Use of unauthorized parts or failure to follow maintenance instructions may create a risk of injury.

SPECIFIC SAFETY RULES

1. **Maintain a safe working environment.** Keep the work area well lit. Make sure there is adequate surrounding workspace. Always keep the work area free of obstructions, grease, oil, trash, and other debris. Do not use the Brake Fluid Bleeder in areas near flammable chemicals, dusts, and vapors. Do not use this product in a damp or wet location.
2. **Maintain labels and nameplates on this product.** These carry important information. If unreadable or missing, contact Harbor Freight Tools for a replacement.
3. **Keep the Handle of the Brake Fluid Bleeder dry, clean, and free from brake fluid, oil, and grease.**
4. **Prior to using the Brake Fluid Bleeder make sure to read and understand all warnings, safety precautions, and instructions as outlined in the *vehicle manufacturer’s instruction manual*.** Every vehicle has specific brake bleeding requirements. It is beyond the scope of this manual to properly describe the correct procedure for each vehicle.
5. **Prior to using the Brake Fluid Bleeder, make sure to place the vehicle’s transmission in “PARK” (if automatic) or “NEUTRAL” (if manual). Then, set the emergency parking brake and block the tires with chocks.**
6. **Be alert for hot brake components and other hot vehicle components to avoid accidental burns.**
7. **Avoid accidental fire and/or explosion. Work in a well-ventilated area and do not smoke near engine fuel and battery components.**
8. **Use the Brake Fluid Bleeder only with brake fluid.** Do not attempt to use the tool to siphon any other liquids. Contamination of brake fluid and possible brake system failure may result.
9. **Follow guidelines for proper brake fluid disposal.** Used brake fluid should be properly disposed of or recycled. Many states require recycling. Contact your local solid/liquid waste authority for information on recycling. Do not reuse old brake fluid.

10.  **Some brake pads contain asbestos.** Asbestosis, a chronic lung inflammation, can result from prolonged inhalation of asbestos particles. Accordingly, wear appropriate ANSI approved respiratory devices and proper protective clothing when working near any brake pads.
- **Do not use pressurized air to blow off brake dust.** Only use brake parts cleaner to clean dust off of the brake calipers.
11.  **WARNING!** The warnings, precautions, and instructions discussed in this manual cannot cover all possible conditions and situations that may occur. The operator must understand that common sense and caution are factors which cannot be built into this product, but must be supplied by the operator.

SAVE THESE INSTRUCTIONS

CAUTION!

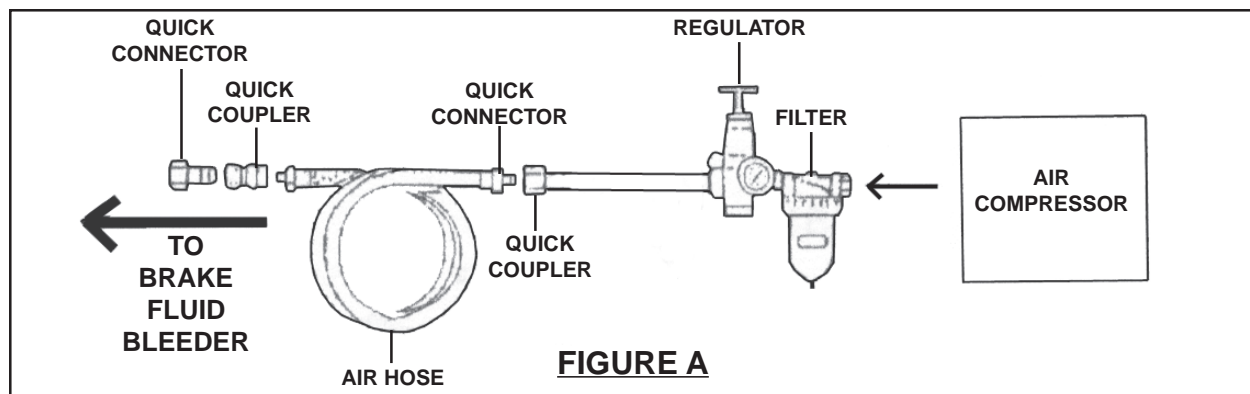
Always keep brake fluid from contacting the vehicle's paint finish.
Brake fluid will damage the paint finish on vehicles.

ASSEMBLY AND OPERATING INSTRUCTIONS

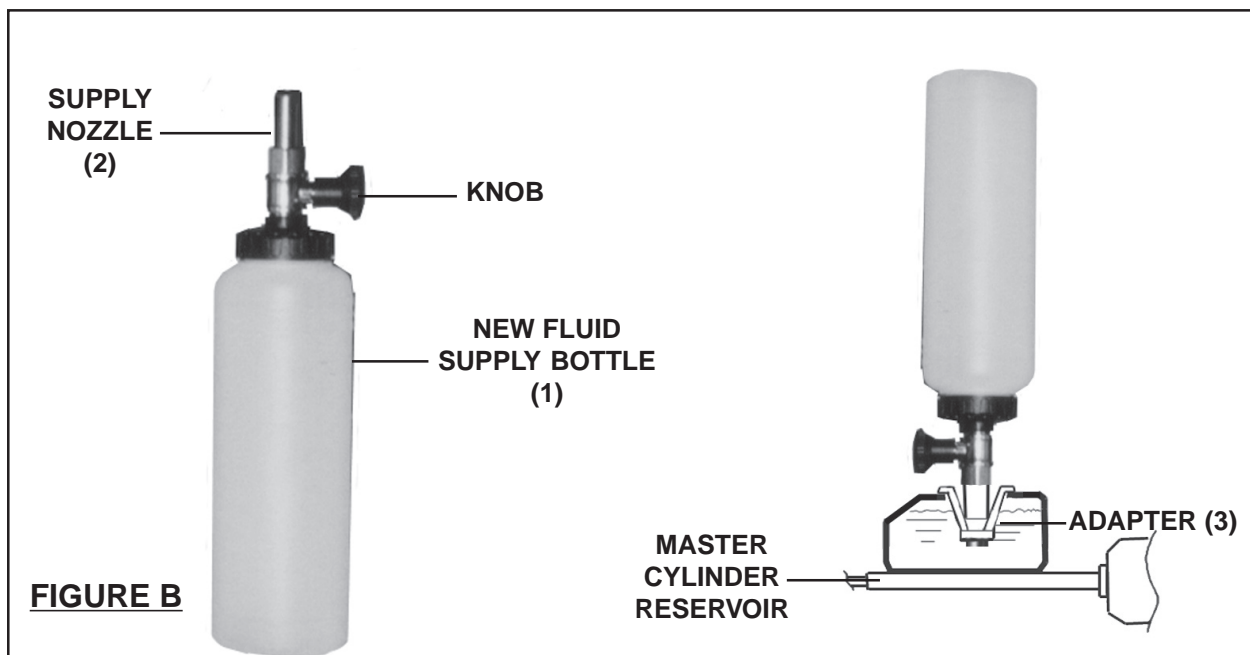
NOTE:

For additional information regarding the parts mentioned in the following pages, refer to the **Assembly Diagram on page 10.**

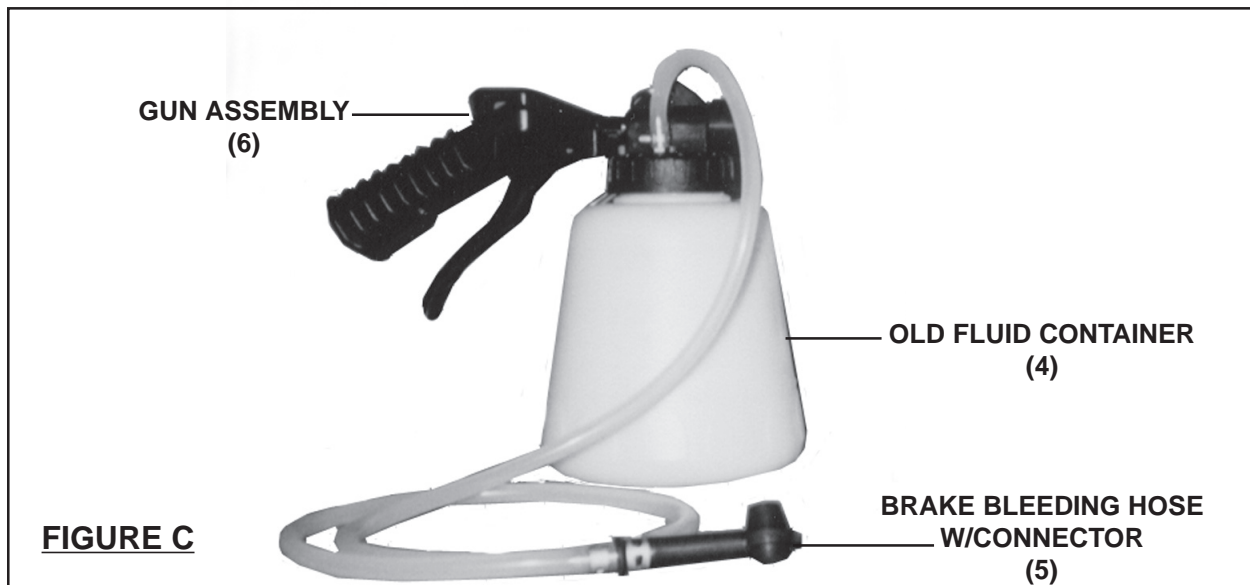
1. For best service and proper safety, you should incorporate a regulator and inline filter when using an air compressor (not included) to operate the Brake Fluid Bleeder. **(See Figure A.)**



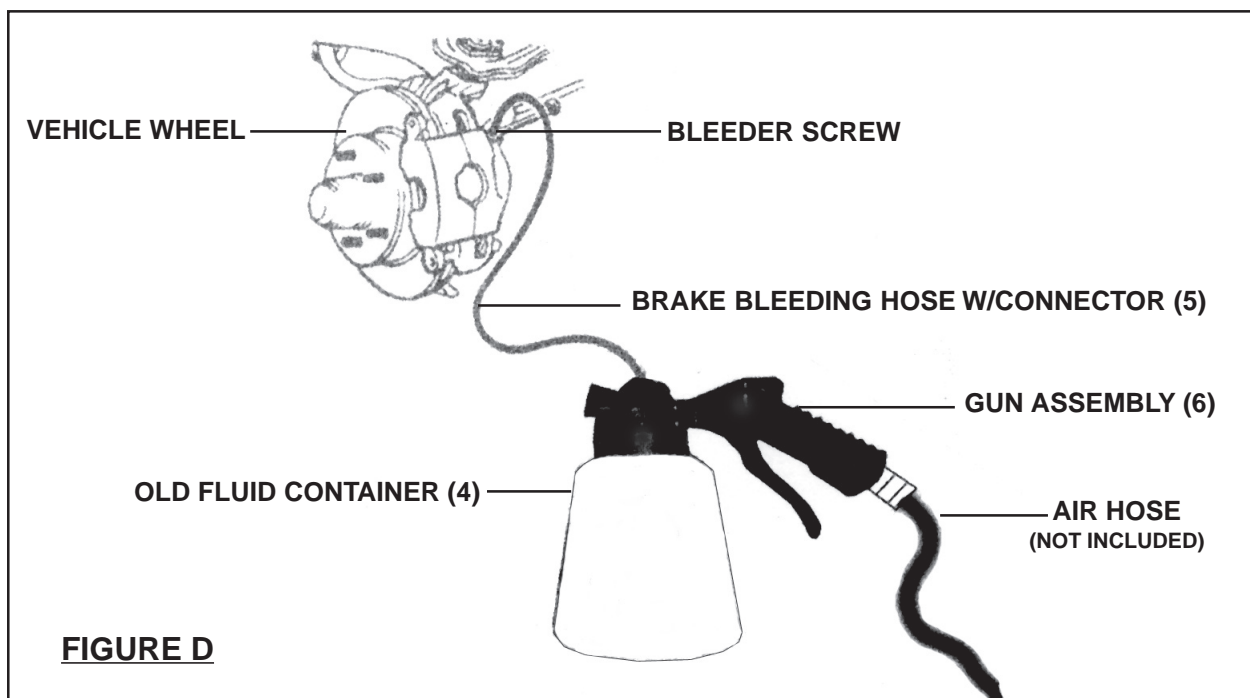
2. Make sure the vehicle engine is off. Then, chock the vehicle wheels to prevent the vehicle from moving.
3. Fill the New Fluid Supply Bottle (1) with up to 24 ounces of clean, new, brake fluid. *(Use only the kind of brake fluid recommended by the vehicle manufacturer.)* Then, screw the Supply Nozzle (2) onto the New Fluid Supply Bottle.
NOTE: Make sure the Knob on the Supply Nozzle is turned to its **“CLOSED”** position. **(See Figure B.)**
4. Remove the cap from the vehicle's master cylinder. Select the Adapter (3) which best fits the brake fluid fill hole in the master cylinder, and attach the Adapter to the Supply Nozzle (2). **(See Figure B.)**
5. Turn the New Fluid Supply Bottle (1) upside down and insert its tube into the brake fluid fill hole of the master cylinder, making sure the Adapter (3) fits the fluid fill hole securely. Make sure the Knob on the Supply Nozzle is turned to its **“OPEN”** position. **(See Figure B.)**
6. Screw the Gun Assembly (6) firmly onto the Old Fluid Container (4). Then, connect the Brake Bleeding Hose w/Connector (5) to the Old Fluid Container. **(See Figure C, next page.)**
7. Determine the proper brake bleeding sequence from your vehicle service manual (i.e., right rear wheel, left rear wheel, right front wheel, left front wheel).
8. Make sure to clean the vehicle brake caliper with brake parts cleaner (not included).




9. Attach the Brake Bleeding Hose w/Connector (5) to the Bleeder Screw on the vehicle wheel. Then, connect the air compressor's air hose to the Handle of the Gun Assembly (6). (See Figure D.)




10. Turn on the air compressor, and set its regulator at **90 to 120 PSI**. **Do not exceed 120 PSI.** (See Figure A.)
11. Squeeze the Lever of the Gun Assembly (6) to create a vacuum in its Old Fluid Container (4). (See Figure D.)



12. Using a bleeder screw wrench (not included), open the bleeder screw until brake fluid starts to flow through the Brake Bleeding Hose w/Connector (5).
(See Figure D.)
13. Squeeze the Lever of the Gun Assembly (6) until the old brake fluid flows freely into the Old Fluid Container (4). When clean, new brake fluid (with no bubbles) begins to flow into the Old Fluid Container discontinue squeezing the Lever of the Gun Assembly. Then, retighten the wheel's bleeder screw. **(See Figure D.)**
14. Turn off the air compressor. Disconnect the Brake Bleeding Hose w/Connector (5) from the wheel's bleeder screw. Then, disconnect the air hose from the Gun Assembly. **(See Figure D.)**
15. **NOTE:** When necessary, turn the Knob on the New Fluid Supply Bottle (1) to its **"CLOSED"** position. Refill the New Fluid Supply Bottle with clean, new brake fluid. Reattach the New Fluid Supply Bottle to the master cylinder, and turn its Knob to the **"OPEN"** position. Then, resume bleeding the brakes.
(See Figure B.)
16. **NOTE:** Also as necessary and after work is done, disconnect the air supply from the Gun Assembly (6). Empty the Old Fluid Container (4) of old brake fluid. Reassemble the Gun Assembly and Old Fluid Container, and resume bleeding the brakes. **(See Figure D.)**
17. Proceed to the vehicle's next wheel, and perform the same Steps as above.
18. When finished using the Brake Fluid Bleeder, remove the New Fluid Supply Bottle (1). Check to make sure the master cylinder is full of brake fluid up to, but not over, its full line. (If the master cylinder is too full, correct this before proceeding.) Then, replace the cap on the master cylinder. **(See Figure B.)**
19.  **WARNING!** Before driving the vehicle, depress the brake pedal repeatedly until the brake pedal feels firm. Check the brake calipers for leaks. Then, test the brakes thoroughly at *slow* speed before operating the vehicle under normal conditions.

INSPECTION, MAINTENANCE, AND CLEANING

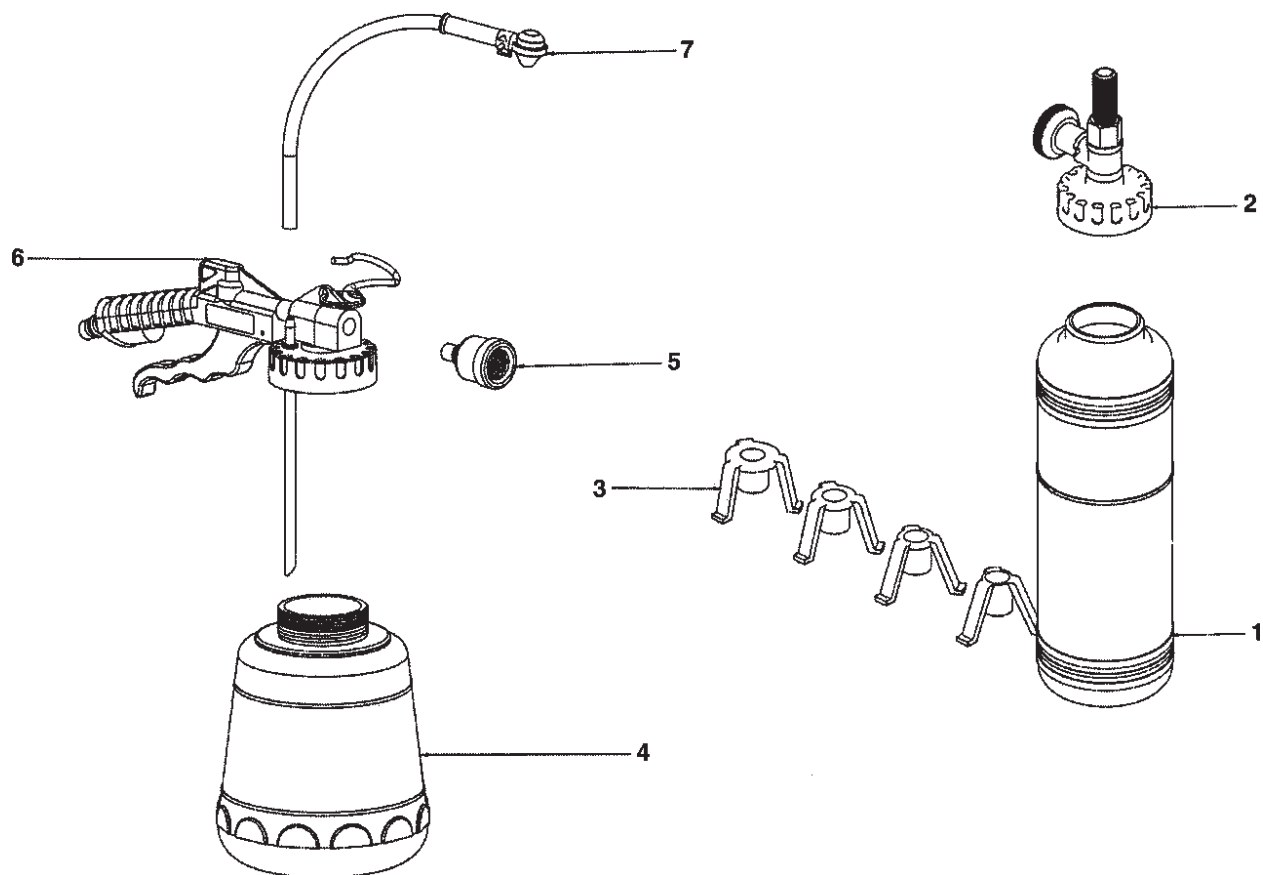
1. **Before each use:** Inspect the general condition of the Brake Fluid Bleeder. Check for misalignment or binding of moving parts, cracked or broken parts, damaged Hoses, loose connections, and any other condition that may affect its safe operation. If a problem occurs, have the problem corrected before further use. **Do not use damaged equipment.**
2. **When cleaning: USE A CLEAN, DRY CLOTH ONLY.** Do not use any cleaners, solvents, water, or other liquids.
3. **When storing:** Never store fluid in the New Fluid Supply Bottle (1) or the Old Fluid Container (4). Always dispose of excess fluid properly, according to federal, state, and local guidelines. Always store the Brake Fluid Bleeder in a clean, dry location out of reach of children.
4.  **WARNING!** All maintenance, service, or repairs not listed in this manual are only to be attempted by a qualified service technician.

PLEASE READ THE FOLLOWING CAREFULLY

THE MANUFACTURER AND/OR DISTRIBUTOR HAS PROVIDED THE PARTS LIST AND ASSEMBLY DIAGRAM IN THIS MANUAL AS A REFERENCE TOOL ONLY. NEITHER THE MANUFACTURER OR DISTRIBUTOR MAKES ANY REPRESENTATION OR WARRANTY OF ANY KIND TO THE BUYER THAT HE OR SHE IS QUALIFIED TO MAKE ANY REPAIRS TO THE PRODUCT, OR THAT HE OR SHE IS QUALIFIED TO REPLACE ANY PARTS OF THE PRODUCT. IN FACT, THE MANUFACTURER AND/OR DISTRIBUTOR EXPRESSLY STATES THAT ALL REPAIRS AND PARTS REPLACEMENTS SHOULD BE UNDERTAKEN BY CERTIFIED AND LICENSED TECHNICIANS, AND NOT BY THE BUYER. THE BUYER ASSUMES ALL RISK AND LIABILITY ARISING OUT OF HIS OR HER REPAIRS TO THE ORIGINAL PRODUCT OR REPLACEMENT PARTS THERETO, OR ARISING OUT OF HIS OR HER INSTALLATION OF REPLACEMENT PARTS THERETO.

PARTS LIST & ASSEMBLY DIAGRAM

Part #	Description	Qty.	Part #	Description	Qty.
1	New Fluid Supply Bottle	1	5	Muffler	1
2	Supply Nozzle	1	6	Gun Assembly	1
3	Adapter Set (Set of 4)	1	7	Brake Bleeding Hose w/Connector	1
4	Old Fluid Container	1			



NOTE:

Some parts are listed and shown for illustration purposes only,
and are not available individually as replacement parts.